Digiteq Automotive

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CANSim4

CANSim4 is a successor of CANSim3, a widely used rest-bus CAN simulator, which simulates the features of the entire car for the tested unit. The device is capable of simulating several different units at the same time.

It is mainly used for testing MIB and ICAS units. It can also be used for testing other units, in various demonstrators and in all use-cases, which require CAN simulations.

The main advantages of the CANSim4 are its small size, simple operation, comprehensive functionality and affordable price.

CANSim4 controls basic simulation signals using hand-held components, eliminating the need to use computer technology to control these signals.

Simulation signals (potentiometers):

- Speed (0 – 240 km/h)
- RPM (0 – 8000 r/min)
- Backlight (0 – 100 %)
- Steering wheel angle (± 800°)
- CNG, Water temperature, Clutch
- Outside temperature, Accelerator

Simulation signals (switches):

- KL.S / KL.15
- Sleep
- Backlight (Day and Night mode)
- PDC & Reverse

Key features

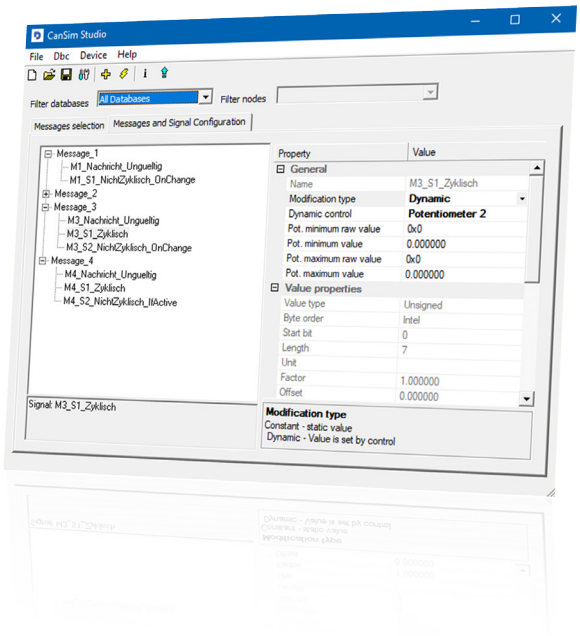
- 4× CAN interfaces (2 are CAN-FD compatible)
- 2× LIN interfaces
- 2× HS switches (e.g. KL.15 and KL.S simulation) and 1× LS switch
- BAP simulation
- RTC
- User programmable potentiometers and switches
- User defined rest-bus simulation
- LED indication of CAN and LIN communication
- Network management NM high
- Mini USB interface for firmware update and remote control
- Possibility of customized firmware modification
- Remote control over API
- CANSim Studio (own application for configuration of .dbc matrix)

Operating modes

- Ten operating modes covering most applications
- Modes for MQB, MQB37W and MEB platforms
- Special modes for Infotainment test benches
- Special mode for MEB test bench (IgnSwExtV1 module is required)
- Mode which generates PWM-Signal "No Crash" (covering frequency of 10 Hz and 100 Hz)

CANSim Studio

CANSim Studio is a desktop application which supports CANSim4 device. It allows to update firmware automatically from the actualization server. In addition, the creation of user-defined simulations from .dbc matrix are possible. Signals can be set to static values or to dynamic and assigned to CANSim4 control elements.



Technical parameters

Supported platforms	MQB, MQB37W, MEB
Weight	220 g
Dimensions (w x h x d)	72 x 35 x 148 mm (including connectors and control elements)
Power voltage	8.0 V to 18 V
Operating temperature	-20 °C to 70 °C while preventing condensation
Max. output load of KL.15 and KL.S	700 mA
Built-in CAN terminators	120 Ω, switched by DIP switches on the rear panel
CAN physical layer	In accordance with ISO 11898

The device complies with the VW80000 (2009-10-01) requirement for functional state A (all parameters OK) in operating mode II.c (maximum permissible load).

For ordering, further details and available accessories please contact us: info@digiteqautomotive.com